

## **IN THE CLAIMS**

1-21. (canceled)

22. (previously presented) An isolated polynucleotide having a sequence encoding the human fibroblast growth factor receptor (hFGFr) of SEQ ID NO:1.

23-30. (canceled)

31. (previously presented) An isolated recombinant human fibroblast growth factor receptor (hFGFr) vector comprising:

- (a) an origin of replication; and
  - (b) a nucleic acid encoding an hFGFr comprising the amino acid sequence of SEQ ID NO:1,
- wherein the origin of replication is operably linked to the nucleic acid.

32. (canceled)

33. (previously presented) The recombinant vector of claim 31, wherein the recombinant vector is an expression vector capable of producing the human fibroblast growth factor receptor in a host cell, wherein the vector further comprises a promoter operable in the host cell and operably linked to the nucleic acid.

34. (previously presented) The recombinant vector of claim 31, wherein the recombinant vector is a nonlytic viral vector comprising a viral origin of replication.

35. (previously presented) An isolated human fibroblast growth factor receptor (hFGFr) vector comprising

- (a) an origin of replication; and
  - (b) a nucleic acid encoding an hFGFr comprising an extracellular region,
- wherein the hFGFr comprises the amino acid sequence of SEQ ID NO:1, wherein the

origin of replication is operably linked to the nucleic acid.

36. (canceled)

37. (currently amended) A method of identifying a candidate polynucleotide ~~candidate polynucleotides~~ having a sequence encoding the human fibroblast growth factor receptor (hFGFr) comprising the amino acid sequence of SEQ ID NO:1, wherein the method comprises:

providing oligonucleotide probes

ATAACGGACCTTGTAGCCTCCAATTCTGTG (SEQ ID NO:7) and

GCGGCGTTTGAGTCCGCCATTGGCAAGCTG (SEQ ID NO:8),

providing a cDNA library of candidates,

contacting the cDNA library with the probes under conditions that permit

hybridization to both oligonucleotide probes, and

identifying a candidate ~~candidates~~ that hybridizes to both oligonucleotide probes.

38-39. (canceled)

40. (previously presented) An isolated host cell comprising a recombinant human fibroblast growth factor receptor (hFGFr) wherein the vector comprises:

(a) an origin of replication operable in the host cell; and

(b) a nucleic acid encoding an hFGFr comprising the amino acid sequence of

SEQ ID NO:1,

wherein the origin of replication is operably linked to the nucleic acid.

41-43. (canceled)

44. (amended) A method of producing a human fibroblast growth factor receptor (hFGFr), comprising:

- (a) providing a host cell that comprises  
an origin of replication operable in the host cell, and  
a nucleic acid for an hFGFr comprising the amino acid sequence of SEQ

ID NO:1,

wherein the origin of replication is operably linked to the nucleic acid;

- (b) culturing the host cell in a suitable culture medium and under suitable  
conditions permitting the expression of the nucleic acid; and

- (c) recovering the polypeptide from the medium and cells.

45-47. (canceled)